

# CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

## ON-VEHICLE INSPECTION

### 1. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

- (a) Connect the intelligent tester or OBD II scan tool to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Start the engine and warm it up.
- (d) Connect the intelligent tester and select the VVT from the ACTIVE TEST menu.
- (e) Check the engine speed when the OCV is operated by the intelligent tester.

**Standard:**

**VVT system is OFF (OCV is OFF):**

**Normal engine speed**

**VVT system is ON (OCV is ON):**

**Rough idle or engine stalled**

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## INSPECTION

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#### (a) Resistance inspection.

- (1) Using an ohmmeter, measure the resistance between the terminals.

**Resistance:**

**6.9 to 7.9  $\Omega$  at 20°C (68°F)**

#### (b) Movement inspection.

- (1) Connect the positive (+) lead from the battery to terminal 1 and negative (-) lead to terminal 2, and check the movement of the valve.

**NOTICE:**

**Confirm the valve moves freely and does not stick in any position.**

**HINT:**

Bad returning of the valve by catching foreign objects causes subtle pressure leak. The subtle pressure leaks will cause the cam to advance, and this condition will set a DTC.

